

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	610	(405/231).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/10 13:34
S2	719	(405/286).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/10 14:36
S3	1396	(405/284).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 08:36
S4	719	(405/286).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 08:37
S5	1091	S3 not S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 08:37

S6	209	(405/285).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 09:44
S7	168	S6 not S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 09:44
S8	1393	(405/232).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 09:57
S9	610	(405/231).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 09:57
S10	1329	S8 not S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 09:57
S11	156	(405/281).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 11:36
S12	235	(405/279).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 12:10

S13	235	{405/275}.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 12:24
S14	42	{pile with concrete with waterproof}	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 13:03
S15	2	{pile with phc with waterproof}	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 13:09
S16	5	{((concrete adj pile) with ((metal steel) near support))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 13:59
S17	13	{"3464215"   "3886754"   "3975917"   "4540316"   "4707956"   "4832533"   "5118223"   "5669736").PN. OR ("6659691").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/14 14:04
S18	39	{((concrete adj pile) with ((metal steel) near (brace rod)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 14:14
S19	23	{((concrete adj pile) with ((metal steel) near connect\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 14:19

S20	32	((concrete adj pile) with corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/14 14:59
S21	11	((concrete adj pile) with ((metal steel) near (cap top)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 07:20
S22	5	("3,422,360").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/09/15 07:24
S23	5	("3422360").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/09/15 07:25
S24	19	((concrete adj pile) same ((metal steel) near (cap top)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 07:31
S25	8	S24 not S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 07:31
S26	16	((concrete same pile same wall) same ((metal steel) near (cap top)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 07:32

S27	24	((concrete same pile same connect\$3) same ((metal steel) near (cap top)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 08:29
S28	45	(pile with phc with steel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 08:52
S29	473	(405/231,286,284,285,232,281,279,275).ccls. and cap	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:00
S30	159	(405/231,286,284,285,232,281,279,275).ccls. and (connect\$3 same cap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:01
S31	19	(405/231,286,284,285,232,281,279,275).ccls. and (connect\$3 same ((metal steel) with cap))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:11
S36	9	(kim adj kwang-man).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:19
S37	4	(yun adj sang-mun).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:21

S38	18	(pile with phc with (cap top))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:36
S39	4	((concrete same pile same connect\$3) same ((metal steel) near cover))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:39
S40	10	((concrete same pile same wall) same ((metal steel) near cover))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:40
S41	6	((concrete adj pile) with ((metal steel) near cover))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:47
S42	5	(pile with phc with cover)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:52
S43	0	(pile with (connection adj bar) with cover)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:56
S44	0	(pile same ((connection adj bar) with cover))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:56

S45	0	((pile and ((connection adj bar) with cover))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:56
S46	0	((retaining adj wall) same ((connection adj bar) with cover))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:56
S47	0	((retaining adj wall) and ((connection adj bar) with cover))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:57
S48	0	((retaining adj wall with concrete)) same ((connection adj bar) with cover))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:57
S49	0	((wall with concrete) same ((connection adj bar) with cover))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:57
S50	22	((wall with concrete) same (connection adj bar))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 09:58
S51	533	((wall with concrete) same (connection with steel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 10:24

S52	24	((retaining adj wall) with concrete) same (connection with steel))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 10:25
S53	16	((concrete same pile same wall) same ((metal steel) near (cap top)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/15 12:01
S54	2	("20030098156").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/09/15 16:10
S55	2	("4583595").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/09/15 16:12
S56	2	JP-04306324-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/16 11:42
S57	0	JP-6240660-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/16 11:45
S58	0	JP-7042696-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/09/16 11:45



S59	54	{405/231,286,284,285,232,281,279,275).ccls. and (@PD> "20090820")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/03/25 14:55
S60	0	{heindel adj richard).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/03/25 15:08
S61	80	{heindl adj richard).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/03/25 15:08
S62	60	{heindl adj richard).in. and pile	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/03/25 15:08
S63	52	{heindl adj richard).in. and pile	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/25 15:08
S64	3	("2089763").URPN.	USPAT	OR	ON	2010/03/25 15:22
S65	0	("942142").URPN.	USPAT	OR	ON	2010/03/25 15:23
S66	6	{kaneko adj sukeaki).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/03/25 15:31

S67	276	(pile with concrete with pipe with (bar rod))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/03/26 08:47
S68	25	(pile with concrete with pipe with connector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/03/26 09:03
S69	86	(pile with concrete with pipe with connection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/03/26 09:06
S70	84	S69 not S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2010/03/26 09:06

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(pile and pipe and (connection adj bar) and (elongated near binding near steel)). clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/30 10:28
L2	1	(pile and (connection adj pipe) and (elongated near binding near steel)). clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/30 10:29
L3	1	(pile and pipe and (connection adj bar) and (elongated near binding)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/30 10:29
L4	1	(pile and (connection adj bar) and pipe). clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/30 10:30

L5	1	{(pile and (connection adj body) and pipe).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/30 10:31
L6	1	{((PHC adj pile) and connection and pipe).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/30 10:32
L7	1	{((PHC adj pile) and connection).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/30 10:32
L9	1	{(pile and pipe and (elongated near binding near steel)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2010/03/30 10:33

3/30/2010 10:33:59 AM

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